

REMARKS

Claims 1-16 are pending in this application. By this Amendment, the title, Specification and claims 1, 12 and 13 are amended. Claim 17 is canceled without prejudice or disclaimer. Reconsideration based on the above amendments and following Remarks is respectfully requested.

I. The Title Satisfies All Formal Requirements

The Office Action objects to the title as not descriptive. The title is amended to obviate the objection. Withdrawal of the objection to the title is respectfully requested.

II. The Drawings Satisfy All Formal Requirements

The Office Action objects to Fig. 9 asserting that it needs to be labeled as "Prior Art" because it only shows what is conventional in the art. This objection is respectfully traversed.

Specifically, Fig. 9 is used to explain the present invention, as is clear from the disclosure in the Specification at page 3, lines 18-28. Thus, it is not appropriate to label Fig. 9 with a legend "Prior Art." Withdrawal of the objection to Fig. 9 is respectfully requested.

III. The Specification Satisfies All Formal Requirements

The Office Action objects to the disclosure because of an informality. The Specification is corrected to obviate the objection. Withdrawal of the objection to the Specification is respectfully requested.

IV. Claim 1 Satisfies All Formal Requirements

The Office Action objects to claim 1 because of an informality. Claim 1 is amended to obviate the objection. Withdrawal of the objection to claim 1 is respectfully requested.

V. Rejection Under 35 U.S.C. §112, Second Paragraph

The Office Action rejects claim 17 under 35 U.S.C. §112, second paragraph, as indefinite. Claim 17 is canceled without prejudice or disclaimer. Thus, the rejection under 35 U.S.C. §112, second paragraph, is moot.

VI. The Claims Define Allowable Subject Matter

The Office Action rejects claims 1 and 16 under 35 U.S.C. §102(b) as unpatentable over U.S. Patent No. 4,818,959 to Katoh, and rejects claims 2-15 under 35 U.S.C. §103 as unpatentable over Katoh. The rejections are respectfully traversed.

Katoh discloses that the area or the size of the electrodes 52 and 53 of the resonator 5 are different from the electrodes 62 and 63 of the resonator 6, as disclosed in col. 6, lines 10-16. This disclosure is provided in conjunction with Figs. 18 and 19 which show the structure of the phrase, "the phase equalizer," of Figs. 16 and 17, as disclosed at col. 5, lines 62-64. The phase equalizer as shown in Figs. 16 or 17 has a pair of resonators connected in parallel, and not an electric filter comprising a plurality of thin film bulk acoustic resonators (FBARs) each consisting of a thin layer of a piezoelectric material sandwiched between two metal electrodes linked in a series/parallel arrangement, as is recited, among other features, in independent claim 1.

Additionally, Katoh discloses that the structure of the circuit of Fig. 6 is shown in Figs. 14 and 15. In this structure, the size of the electrodes are not different between the resonators 5 and 6. Thus, Katoh does not disclose that the areas of the electrodes in contact with the piezoelectric layer to form the resonators are different between in series and in parallel FBARs, as recited, among other features, in claim 1, and similarly recited in claim 16.

Applicants respectfully submit that claims 1 and 16 are distinguishable over the applied art. Claims 2-15 are likewise distinguishable over the applied art for at least the reasons discussed, as well as for the additional features they recite. Reconsideration and withdrawal of the rejections under 35 U.S.C. §§102 and 103 are respectfully requested.

VII. Conclusion

For at least the reasons discussed above, it is respectfully submitted that this Application is in condition for allowance.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact Applicants' undersigned representative at the telephone number set forth below.

Respectfully submitted,



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